

Configuration of the warning relay function

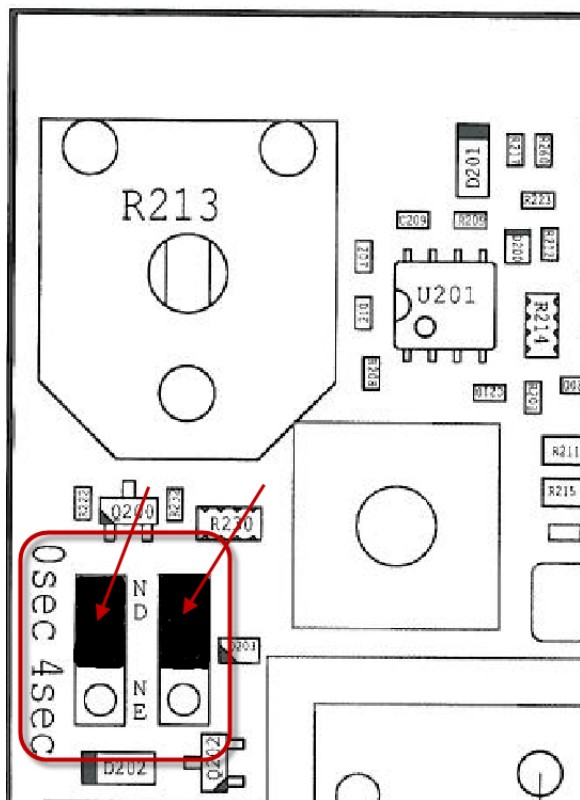
The relay can be reconfigured by means of two jumpers. (The original configuration is marked on the label). The jumpers are placed on the PCB behind the rear cover, under the set point potentiometer R213.

The **contact function** can be configured to either a normally energised contact (NE) or a normally de-energised contact (ND).

Warning delay

It is possible to choose between **No warning delay** or **4 s warning delay** from the alarm occurs until the warning relay is activated.

If the system has capacitance to ground, it is recommended to use the 4 s time delay in order to avoid "false" warning at power-up, or when capacitive load is switched on.



Example of jumper settings:

Warning delay = 0 s

Warning relay = normally de-energised (ND)



-power in control



QUICK GUIDE



Insulation monitors, AAL-2

Refer to www.deif.com for detailed information



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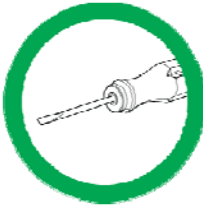
Mounting instructions

To ensure correct mounting, and to obtain the intended functionality of your product, DEIF A/S recommends that you read these guidelines carefully before you mount the product.

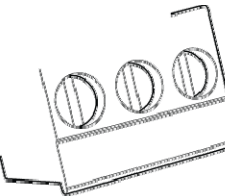
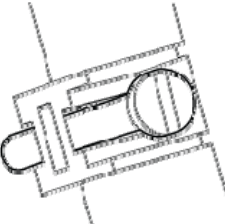
Use the correct tools for mounting, and do not exceed the recommended tightening torques.

DEIF A/S warranty will be lost for products that are damaged because of incorrect tools used for mounting, or because of excessive tightening of the terminals and screws.

Tools

	Do not use electric screwdrivers
	Only use two fingers on the screwdriver

Tightening torques

	For terminals: Max. 0.5 Nm
	For mounting screws: Max. 0.5 Nm

Installation

Verification: Verify that the instrument configuration is according to application.

Aux. supply: Connect terminals to correct voltage.

Measuring circuit: Connect PE to ground and P to a phase (if it is a 3-phased network – connect to any of the phases).

Warning: If a high-voltage “MEGGER” is used, the AAL-2 must be disconnected at terminal “P” before testing is carried out. Omitting this may result in damage to the AAL-2.

Test

An instrument self-test can be carried out according to IEC 61557-8, as shown in Fig. 1 below. ¼ W resistance and switch ratings according to network voltages.

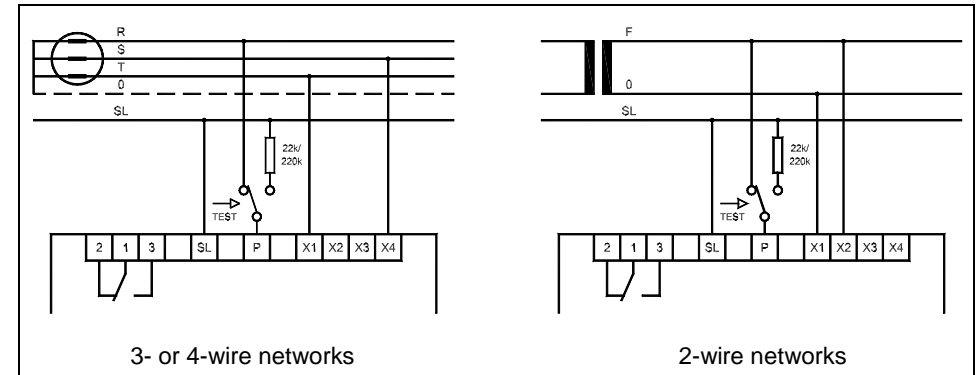


Fig. 1

Adjustment of the set point

The requested warning set point is adjusted by means of the potentiometer on the upper left corner on the back of the instrument.

If precise warning setting is wanted, connect a known resistor corresponding to the wanted setting between P and PE. Then adjust the potentiometer until the warning LED is activated.

Typical setting:

Typical warning set point: 22 kΩ at 1 M range, or 220 kΩ at 10 M range.

Place the red marker pointer at the set point.